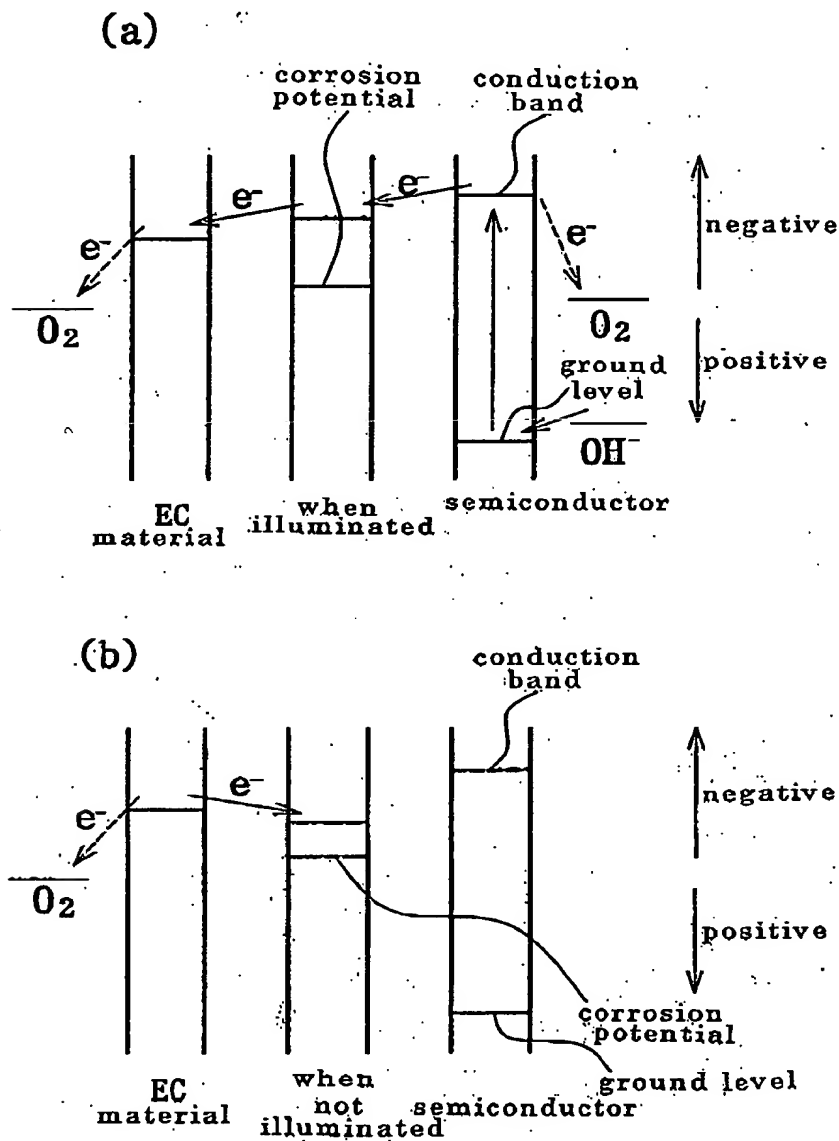


【Fig.1】

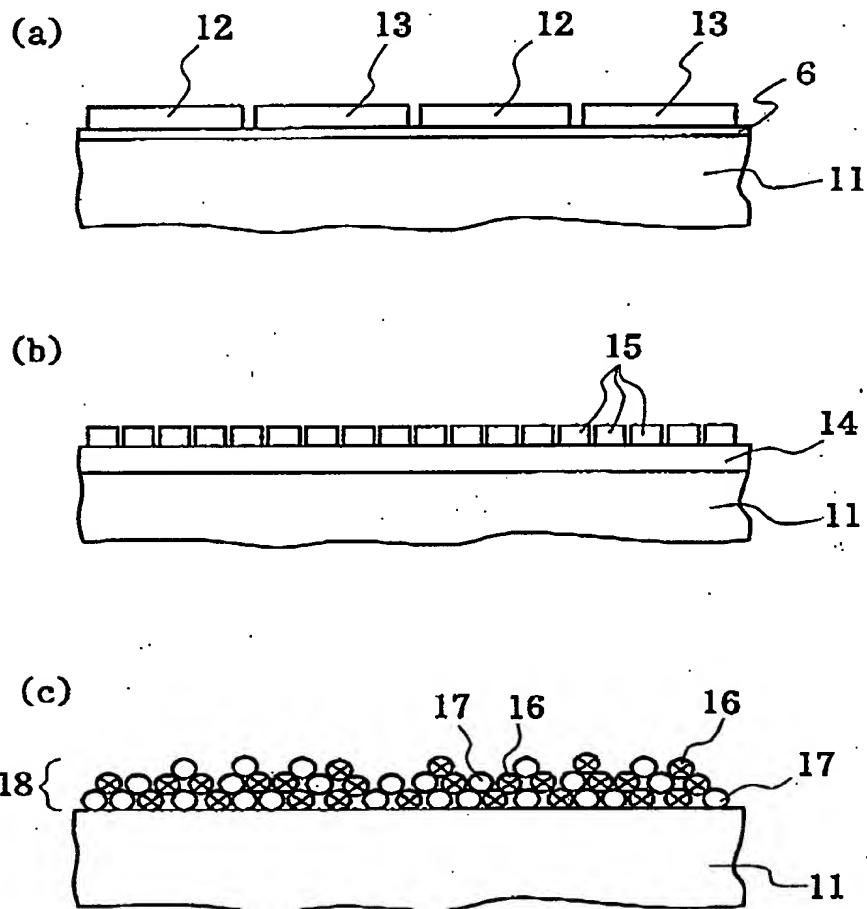


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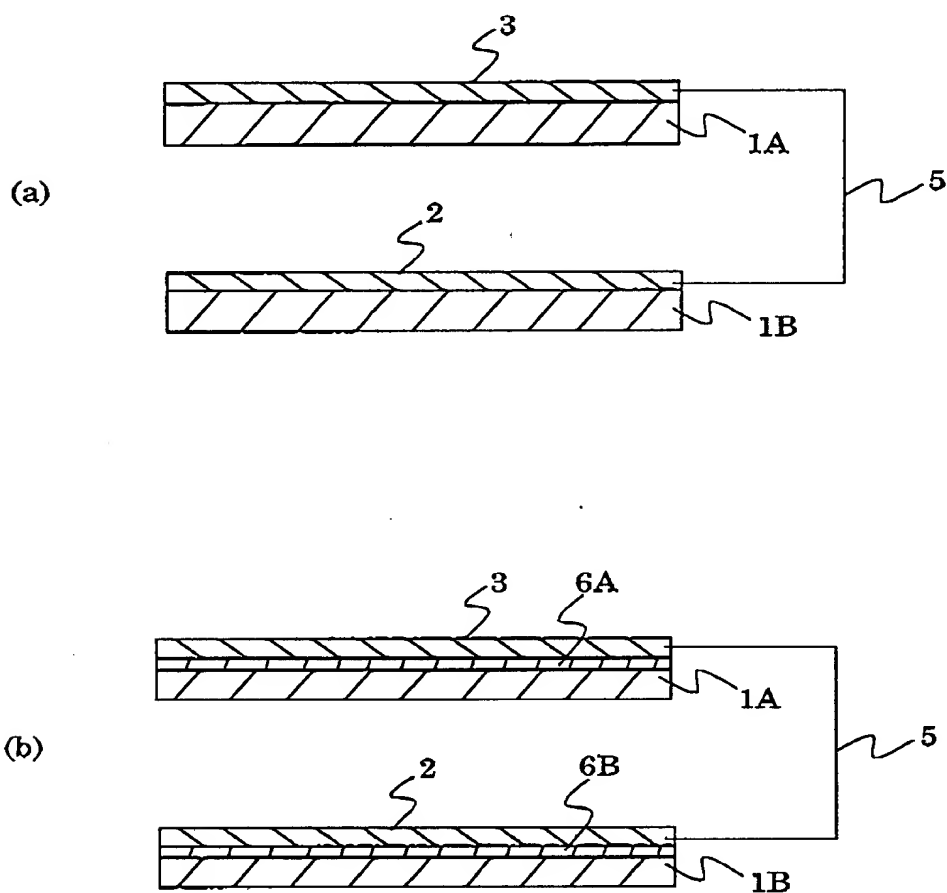
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【Fig.2】

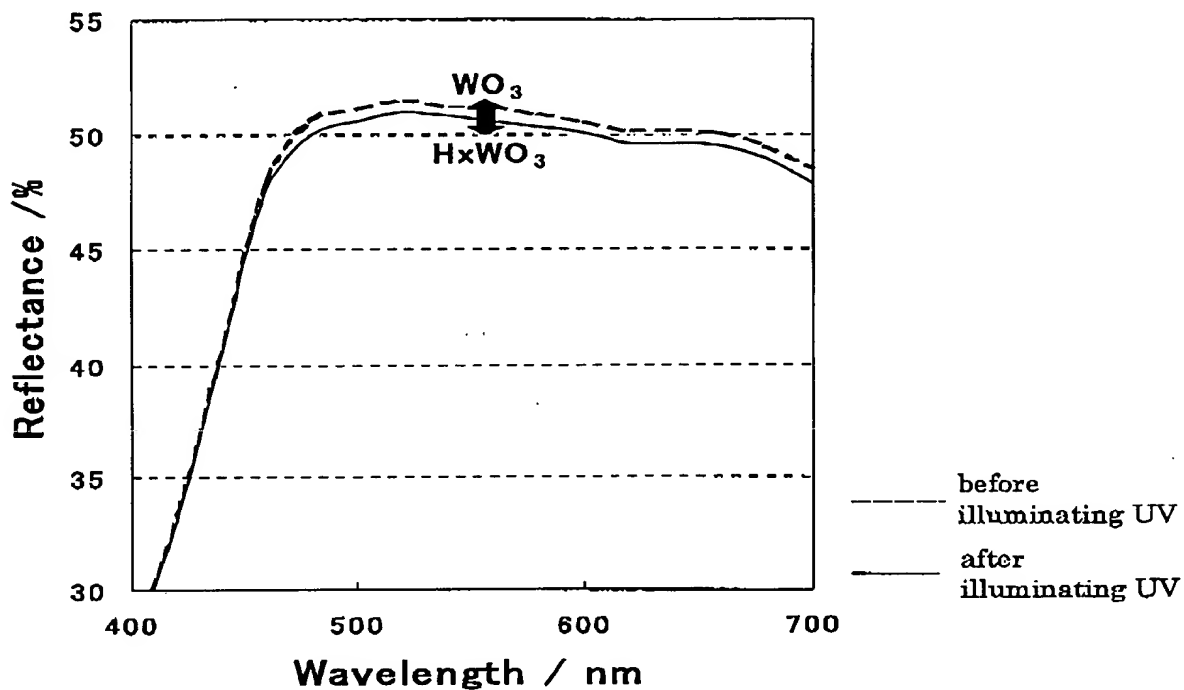


099979 082660 2626660

【Fig.3】

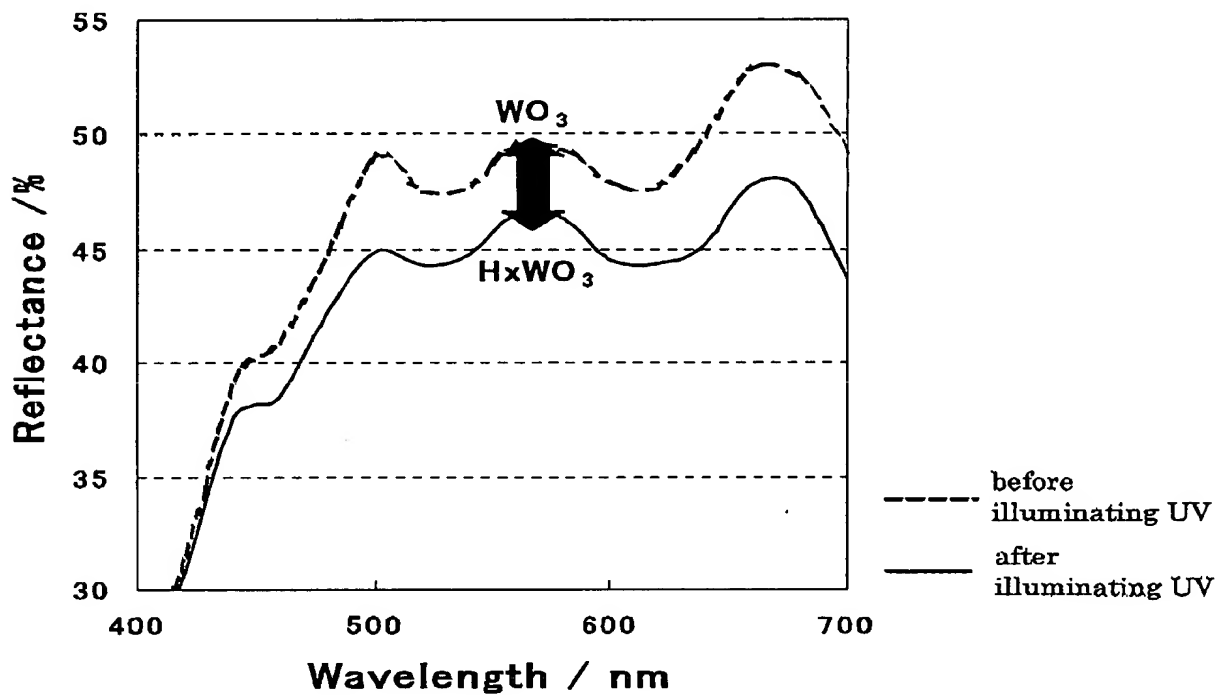


【Fig.4】



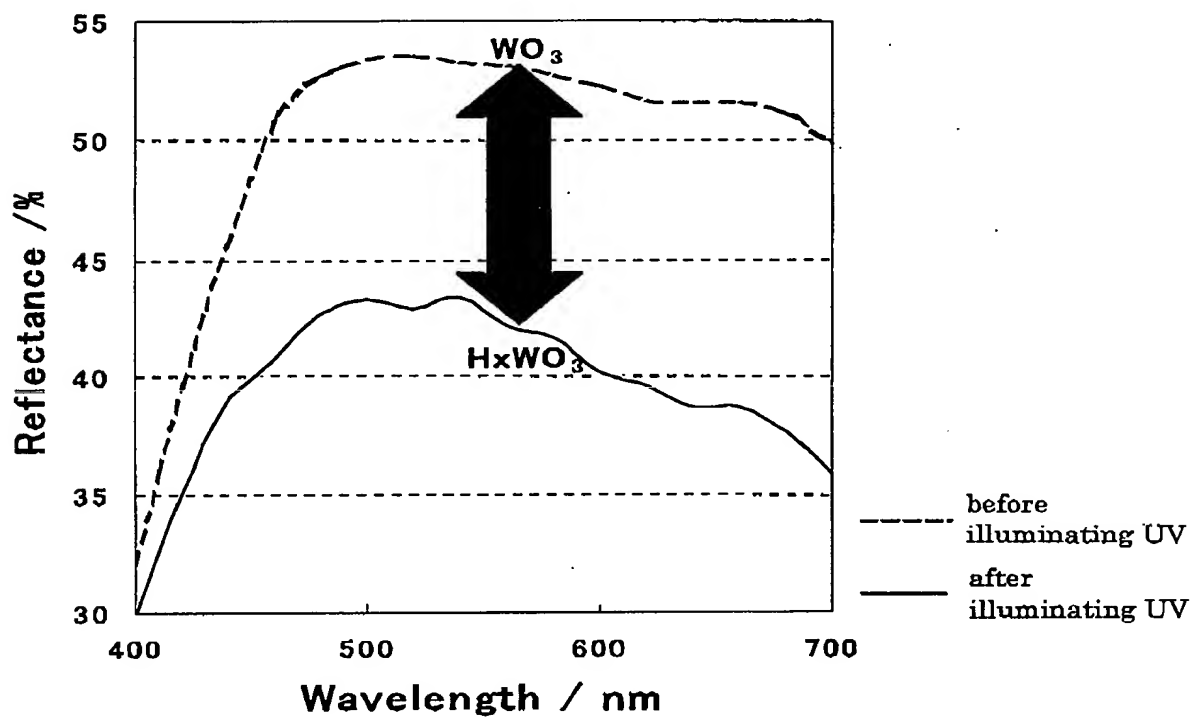
Reflectance change of WO_3 before and after illuminating ultraviolet light in distilled water

【Fig.5】



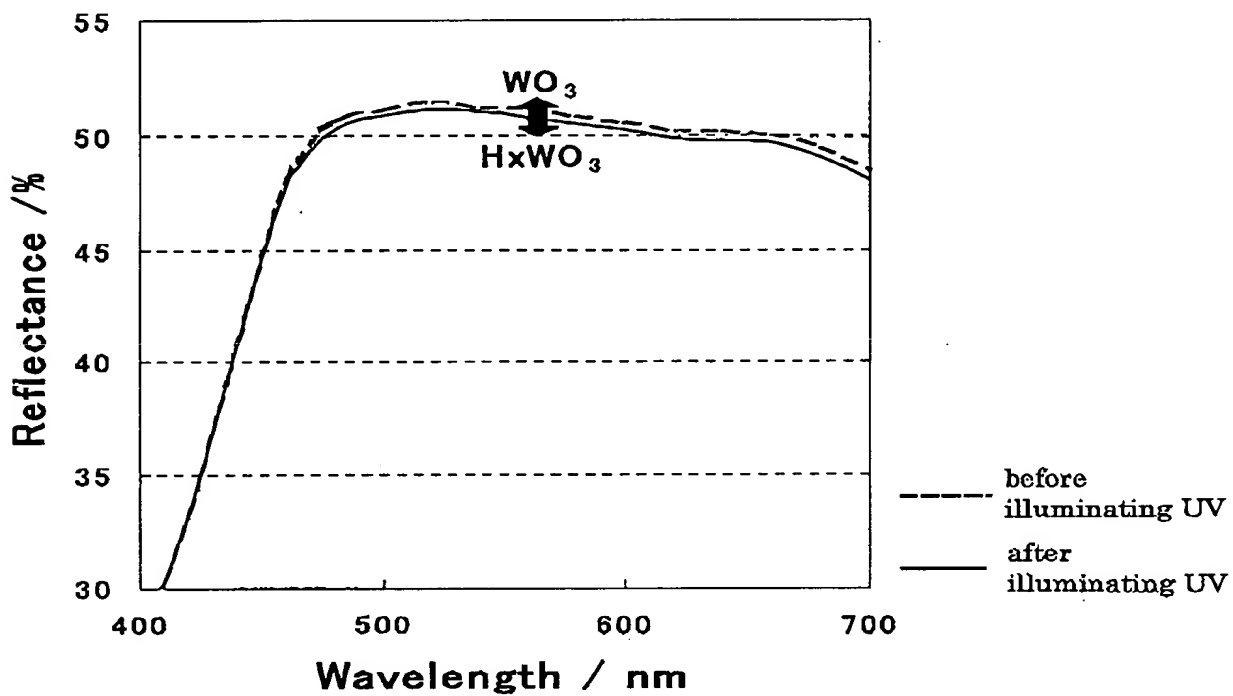
Reflectance change of TiO_2-WO_3 before and after illuminating
ultraviolet light in distilled water (separate type)

【Fig.6】



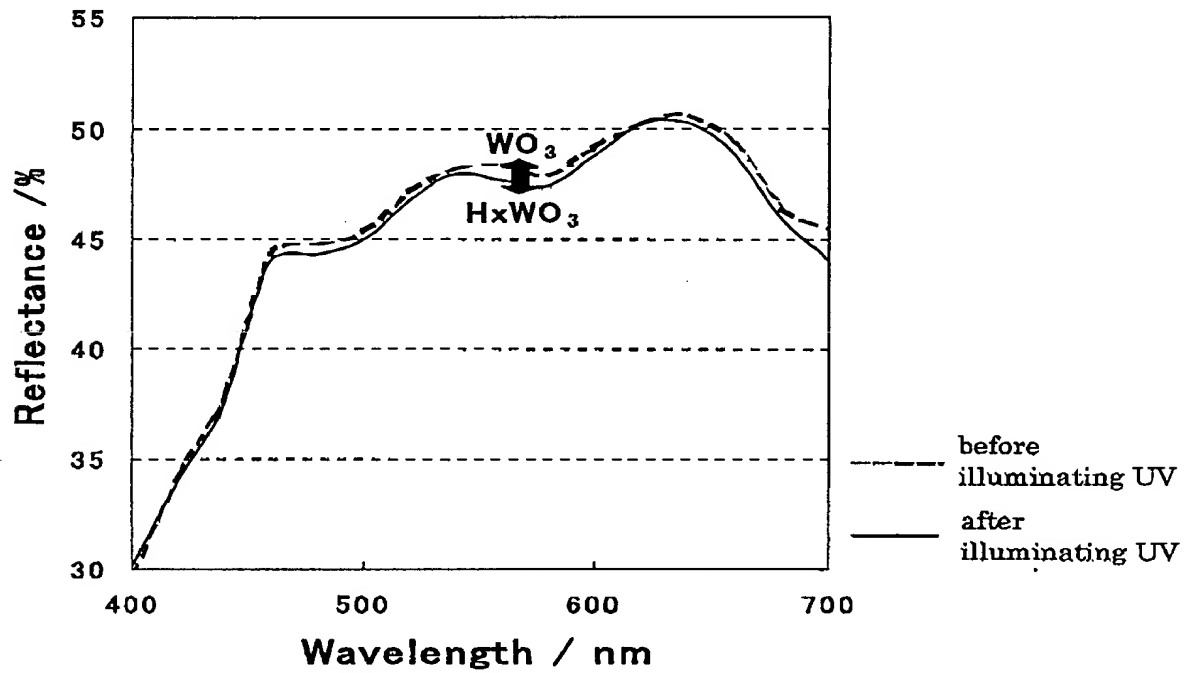
Reflectance change of $\text{TiO}_2\text{-WO}_3$ before and after illuminating ultraviolet light in distilled water (mix type)

【Fig.7】



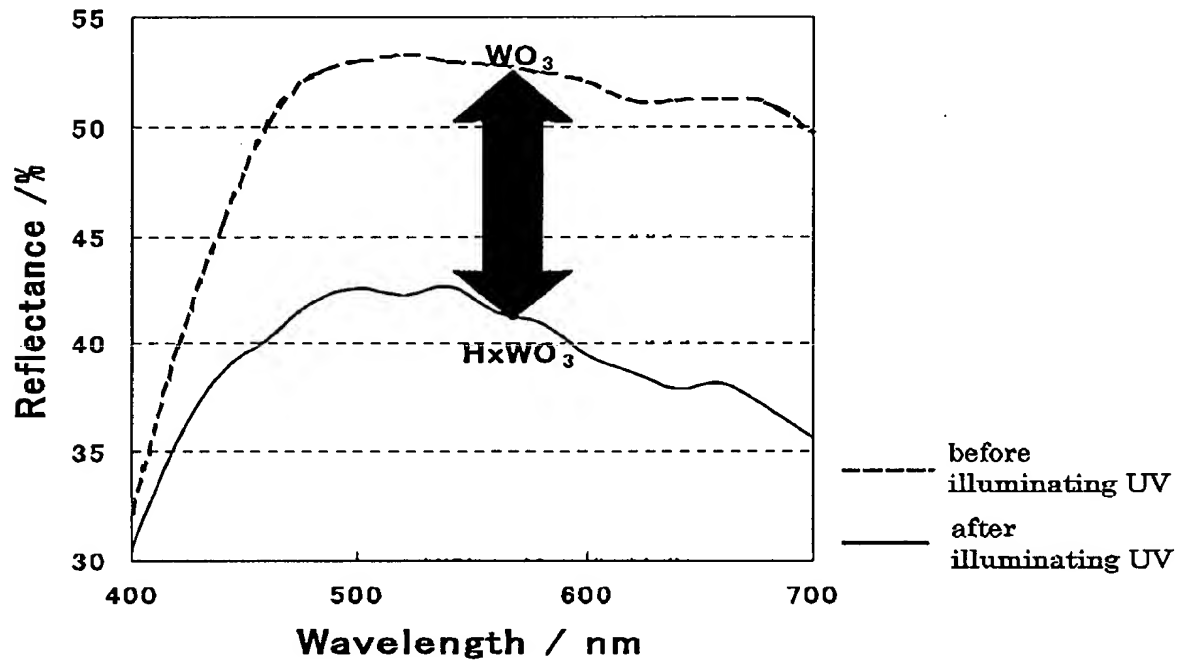
Reflectance change of WO_3 before and after illuminating
ultraviolet light in gaseous phase

【Fig.8】



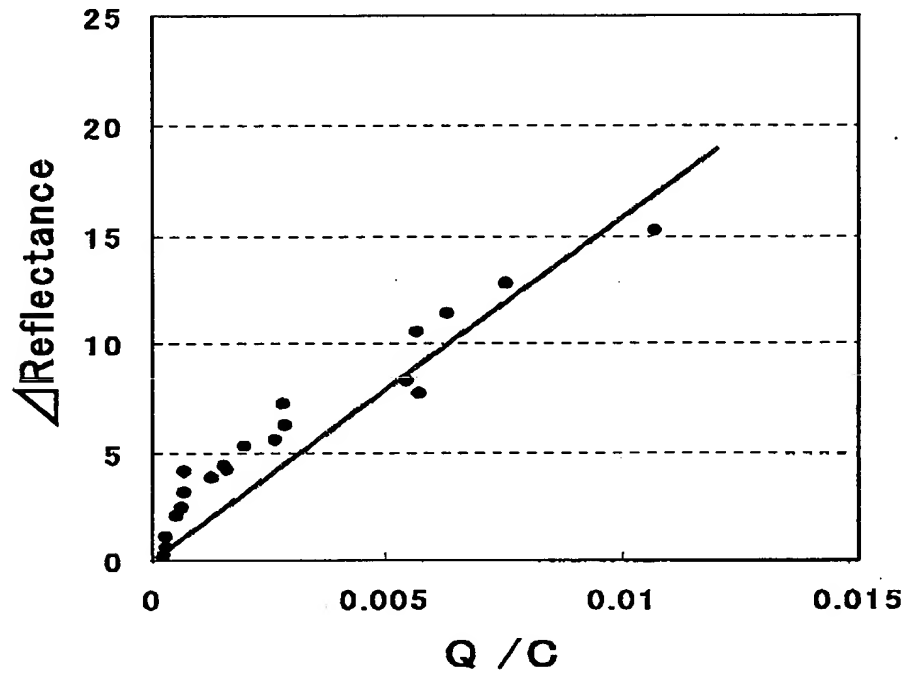
Reflectance change of TiO₂-WO₃ before and after illuminating
ultraviolet light in gaseous phase (separate type)

[Fig.9]



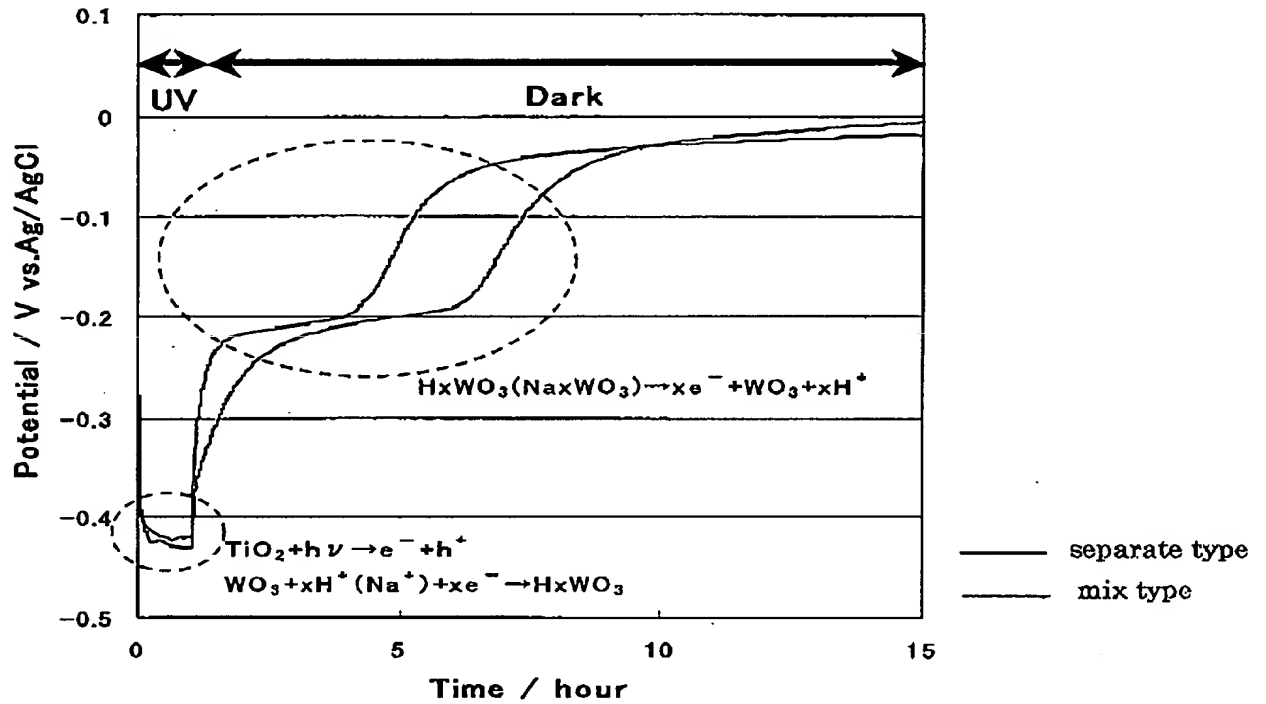
Reflectance change of TiO_2-WO_3 before and after illuminating ultraviolet light in gaseous phase (mix type)

【Fig.10】



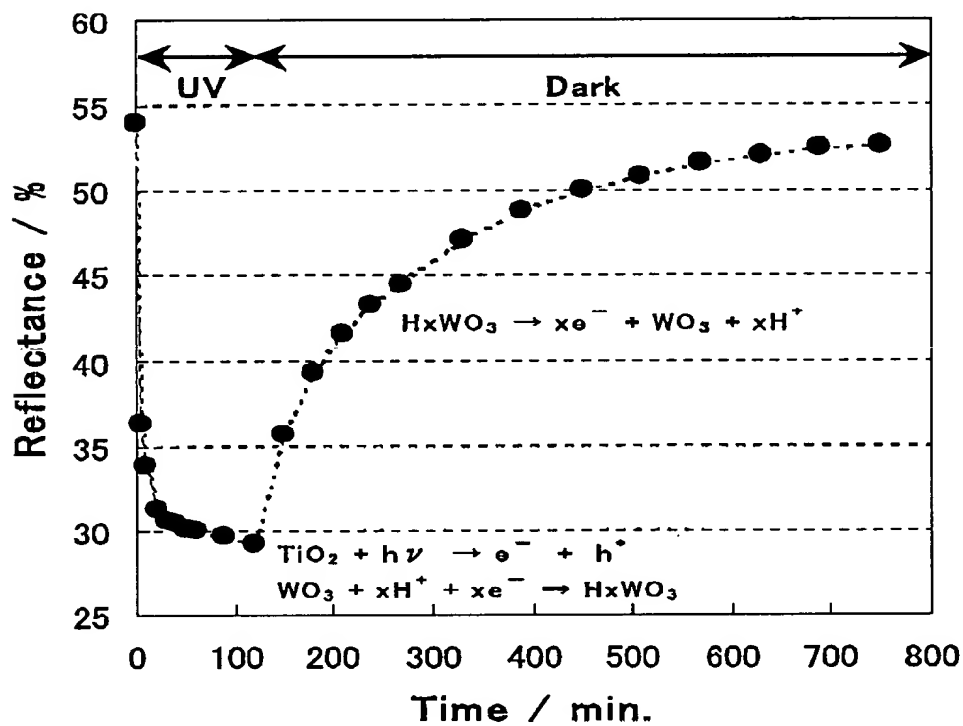
Relationship of charge and color change in WO₃

【Fig.11】



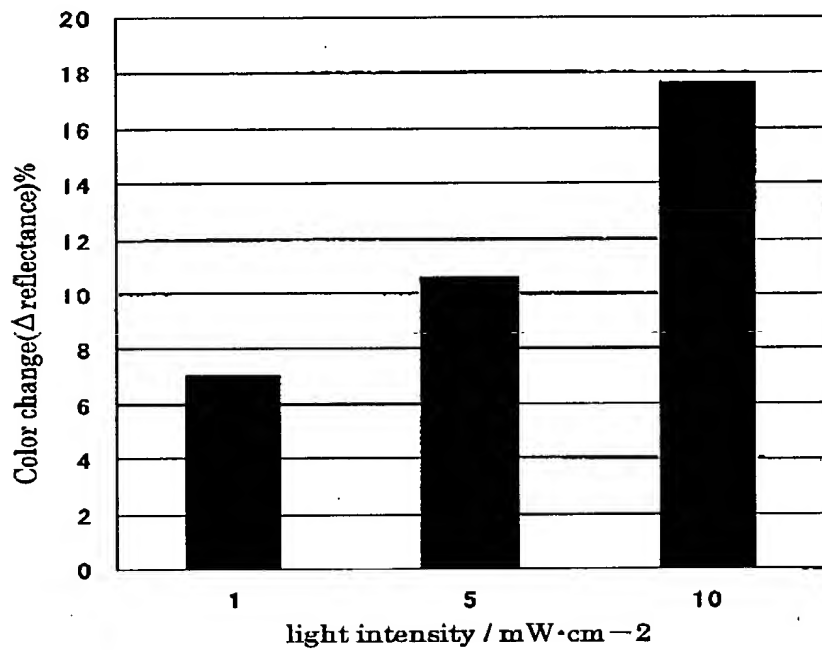
Potential change of TiO₂-WO₃ before and after illuminating ultraviolet light in NaCl aqueous solution

【Fig.12】



Reflectance change over time of TiO₂-WO₃ before and after illuminating ultraviolet light in gaseous phase

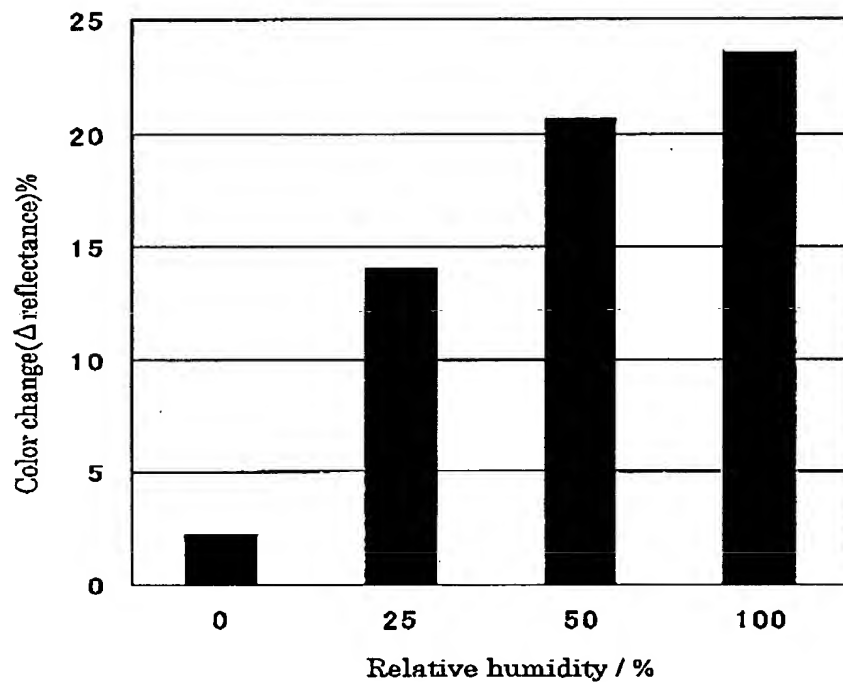
【Fig.13】



Relationship between light intensity of illuminated ultraviolet light and reflectance of $\text{TiO}_2\text{-WO}_3$

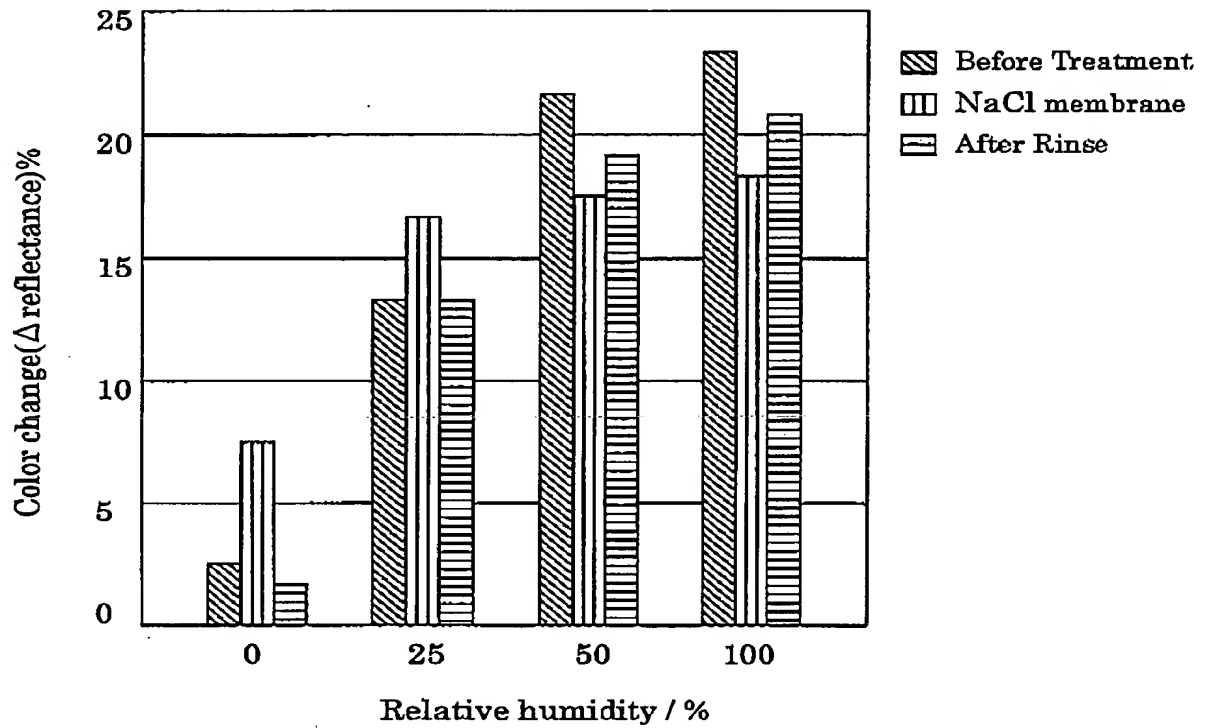
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【Fig.14】

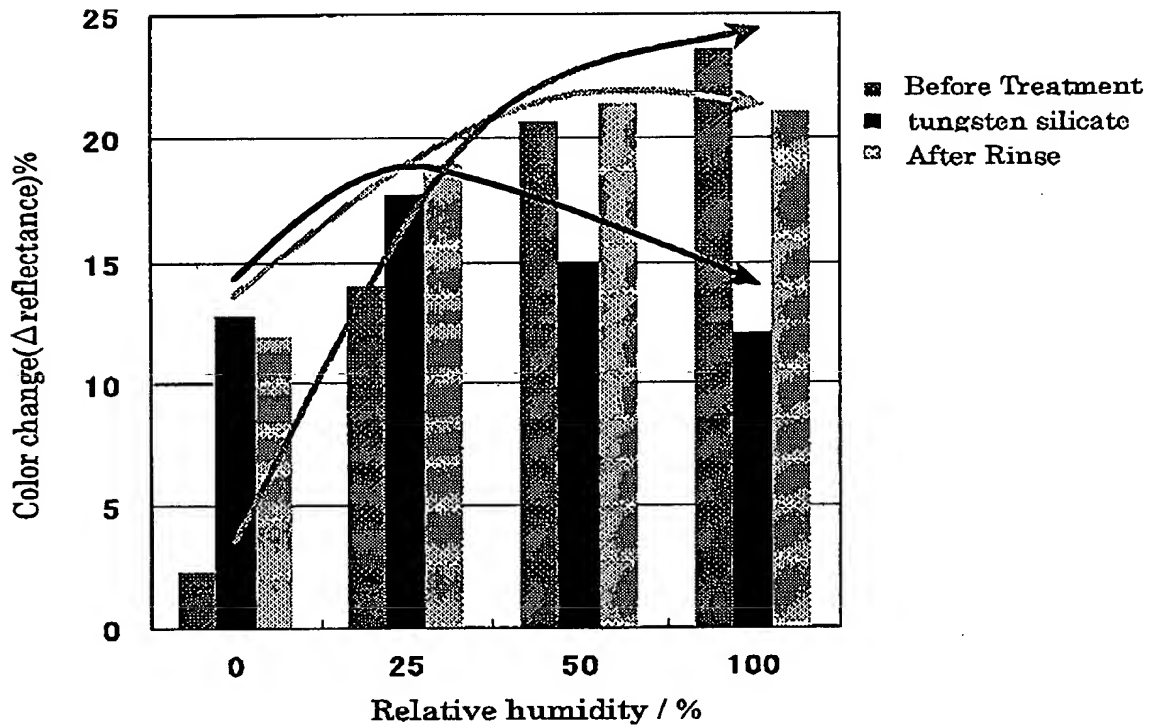


Relationship between humidity and reflectance of TiO₂-WO₃

【Fig.15】



【Fig.16】



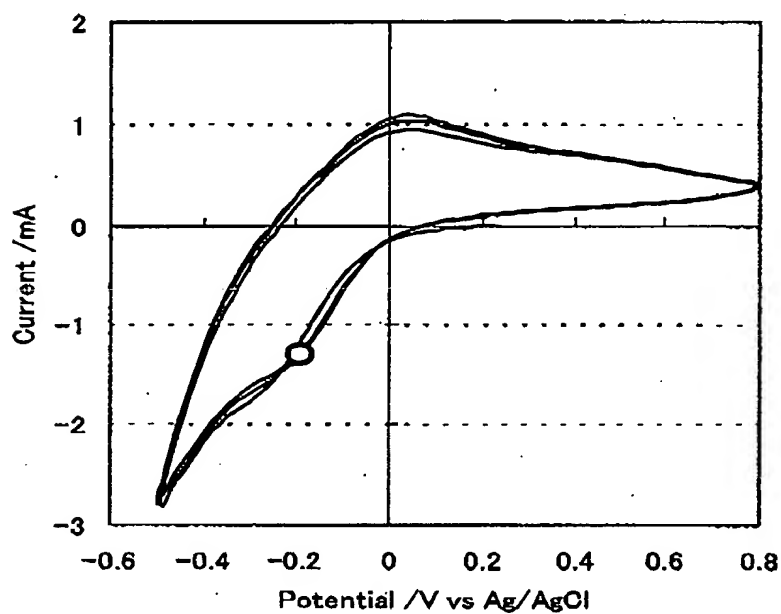
Color changes before treatment, after surface treatment with a heteropolyacid (tungsten silicate), and after rinse

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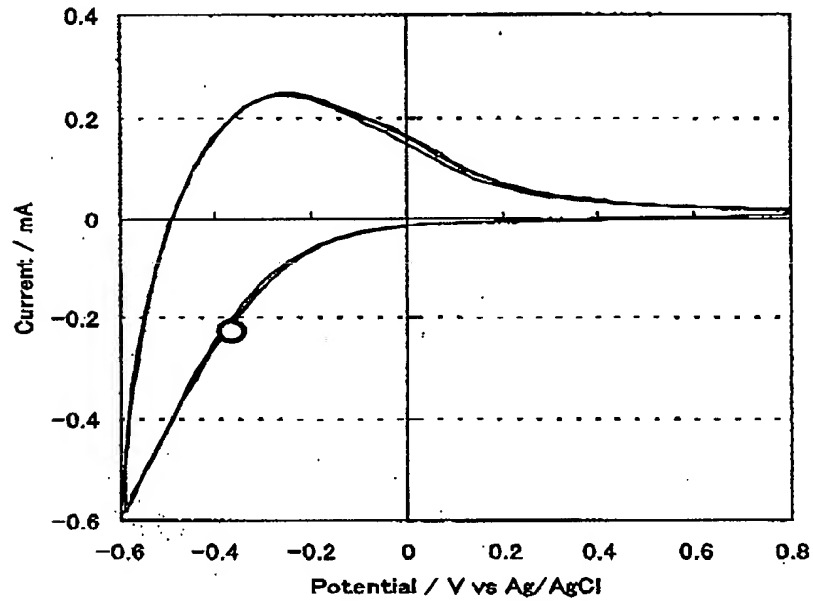
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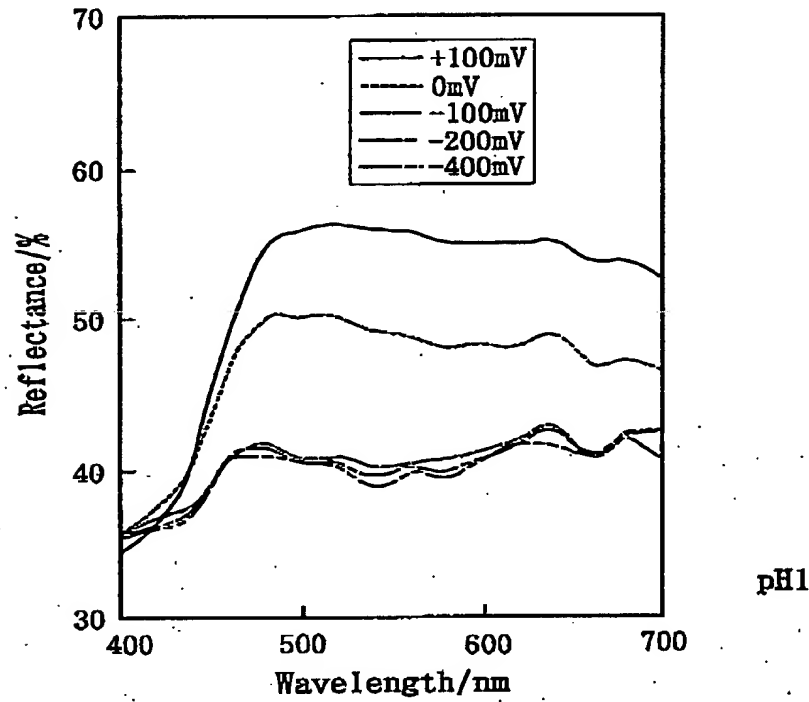
【Fig.17】



【Fig.18】



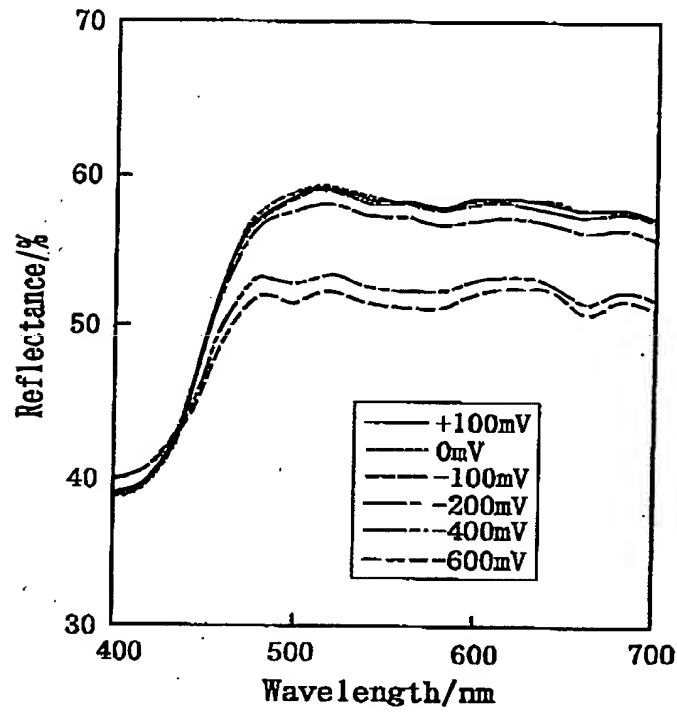
【Fig.19】



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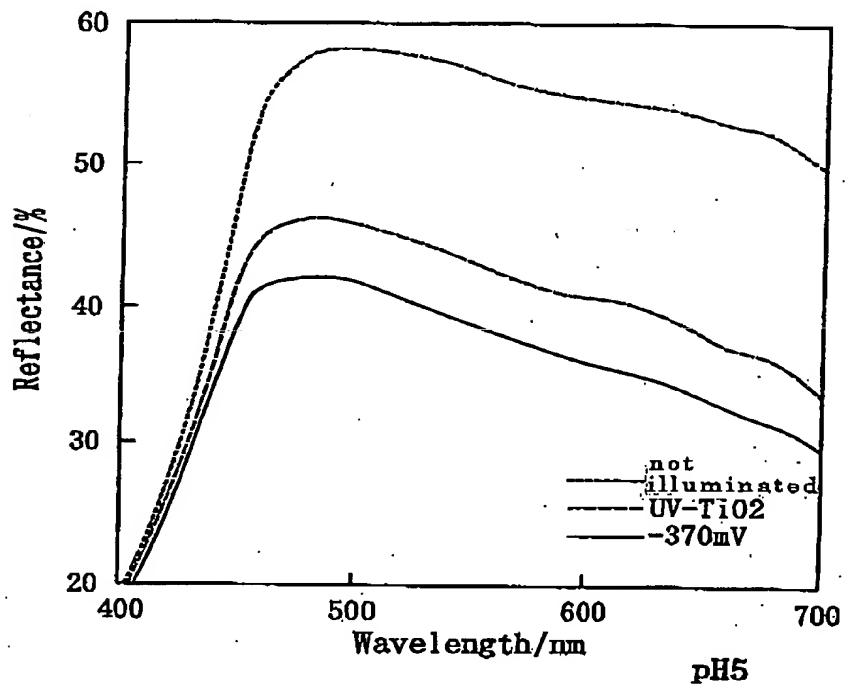
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【Fig.20】



pH5

【Fig.21】

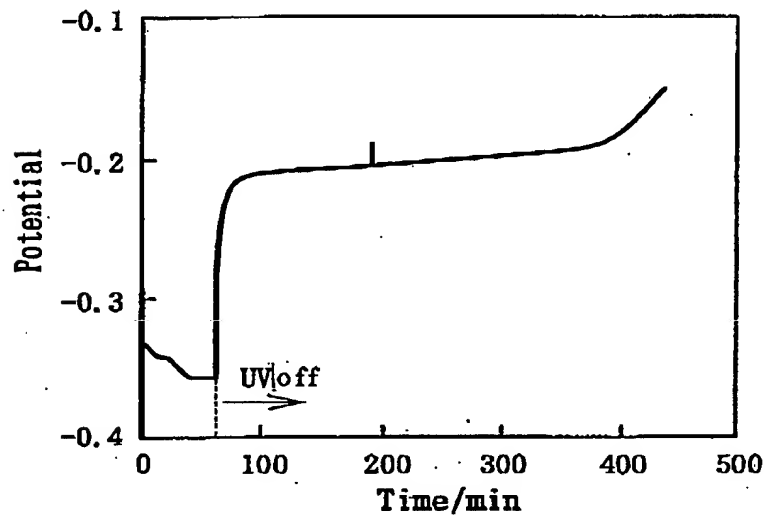


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[Fig.22]

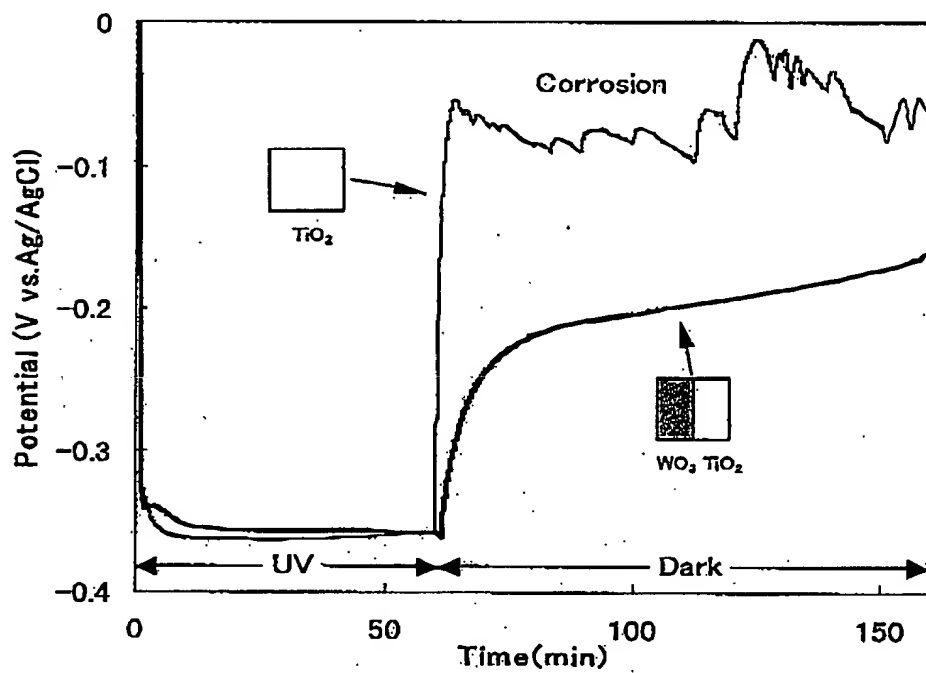


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The graph plots Potential (V vs. Ag/AgCl) on the y-axis against Time (min) on the x-axis. The y-axis ranges from 0 to -0.4 with major ticks every 0.1 units. The x-axis ranges from 0 to 150 with major ticks every 50 units. The potential starts at 0 V at time 0, drops sharply to approximately -0.35 V by 5 minutes, and remains constant until about 60 minutes. At 60 minutes, the potential begins to rise, reaching approximately -0.18 V by 100 minutes and continuing to rise slowly to about -0.15 V at 150 minutes.

Potential change of a sample (TiO₂ is applied on one half of a substrate of SUS304 and WO₃ is applied on the other half)

【Fig.24】

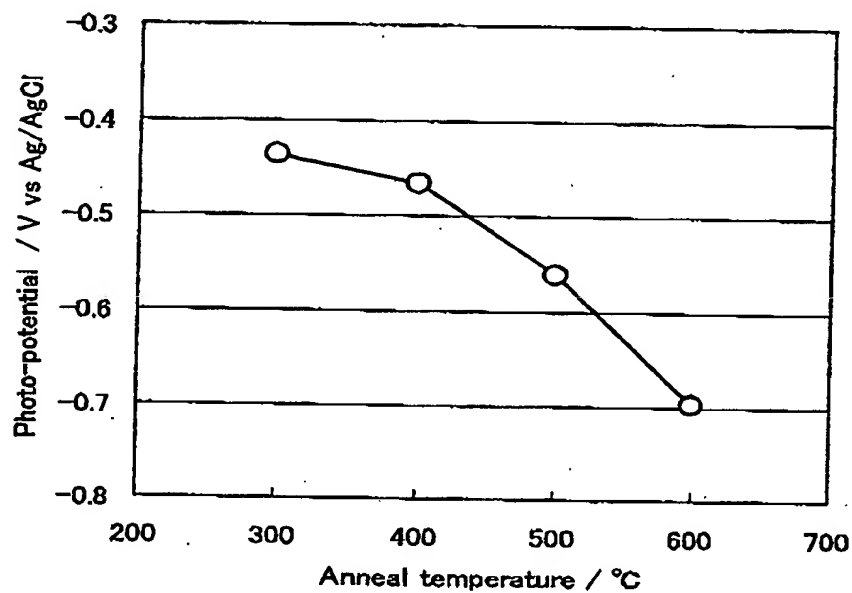


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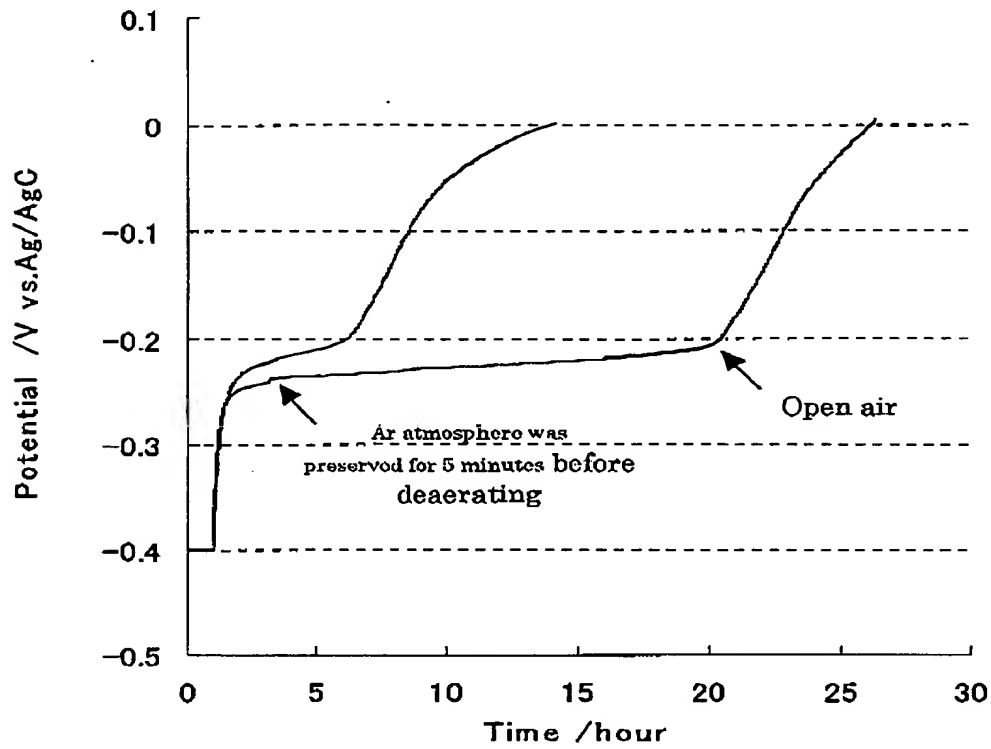
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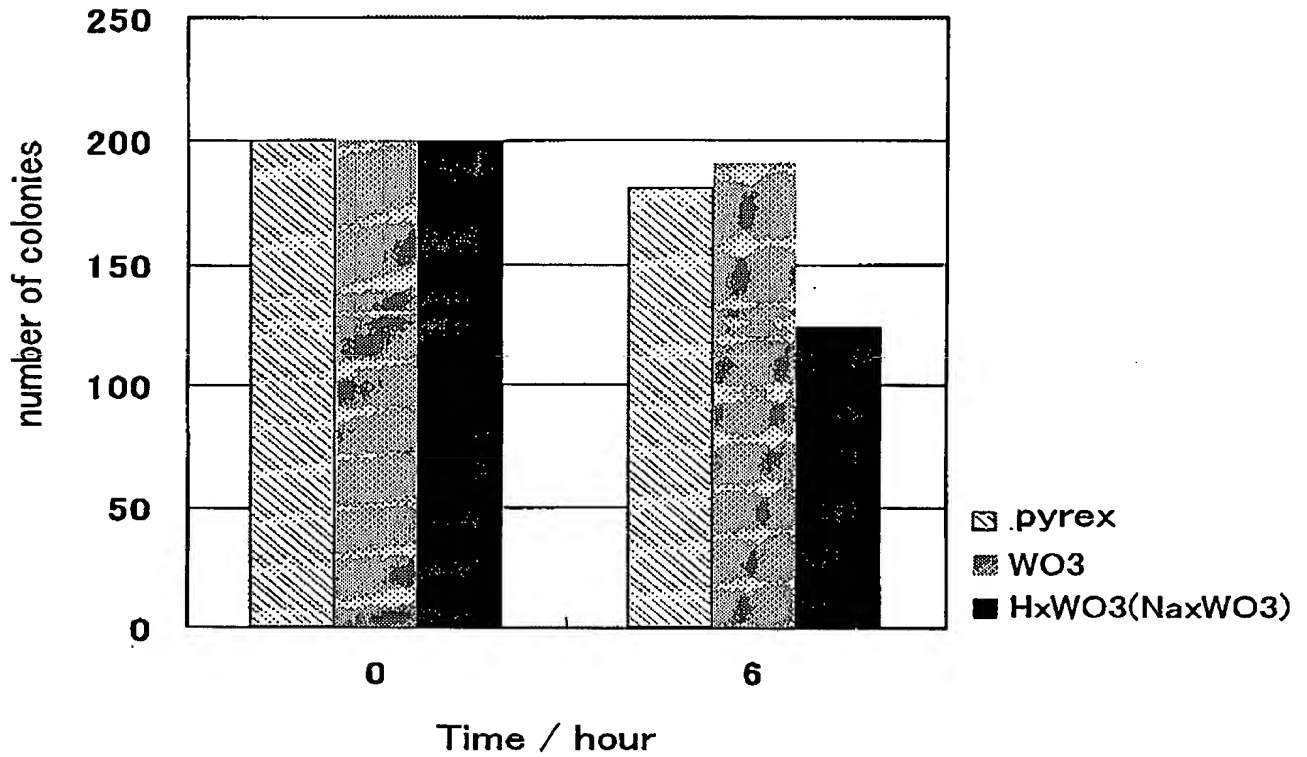
【Fig.25】



【Fig.26】



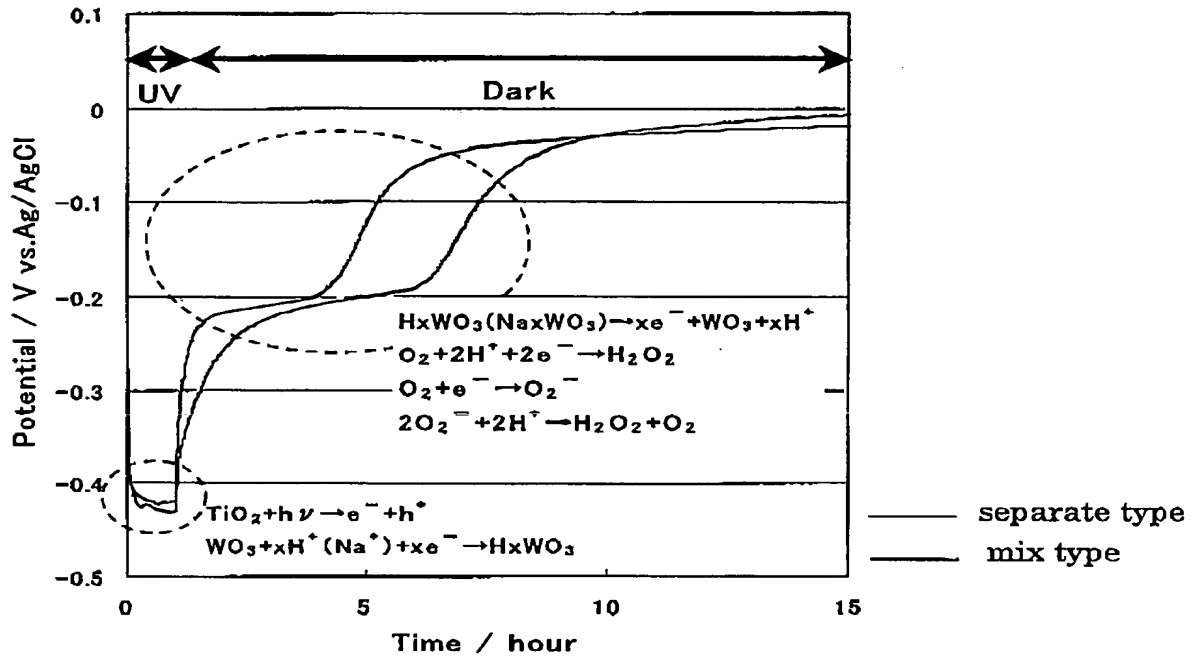
【Fig.27】



[Fig.28]

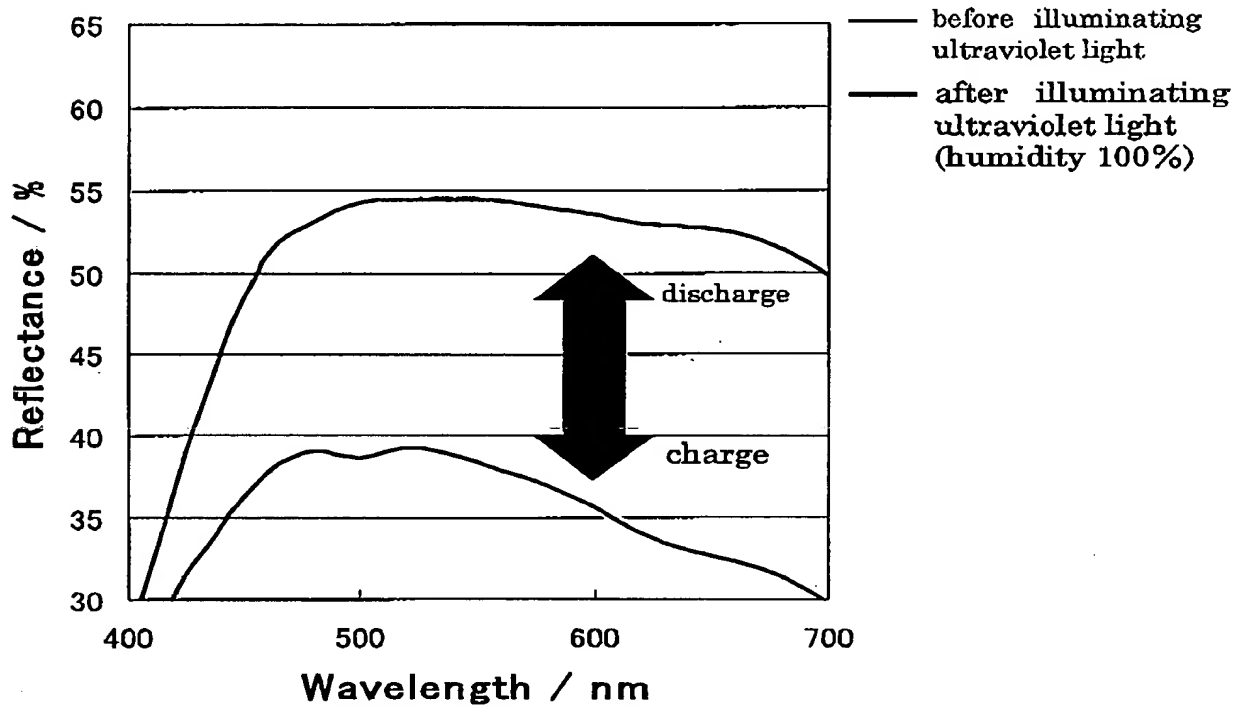
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【Fig.29】



[Fig.30]

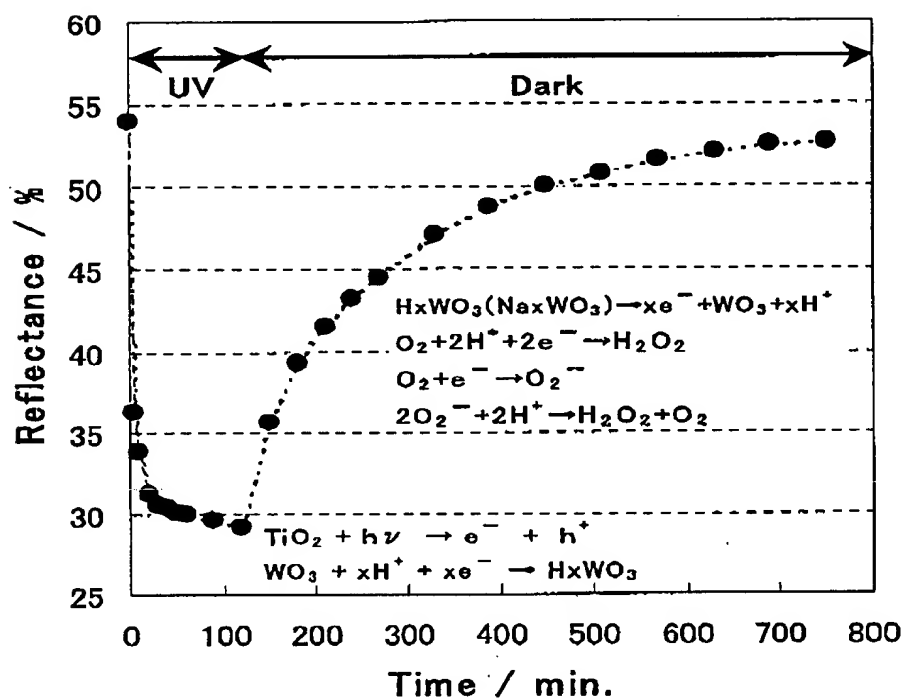


FIG. 30 2626E50

【Fig.31】

